



City of Kansas City, Missouri Job Class Specification

Job Title:	MAINTENANCE ELECTRICIAN	Department:	MULTI
Job Code:	5260	Status:	NONEXEMPT
		Grade:	L-8

Summary

This is skilled work in the installation, repair and maintenance of a variety of electrical systems, appliances and equipment.

Work involves responsibility for performing skilled electrical tasks in accordance with standard practices of the electrical trade. Assignments are made either orally or through written work orders and may be accompanied by diagrams or blueprints. Work is often performed independently, subject to inspection by a supervisor upon completion for compliance with instructions and conformity with accepted safety standards.

Duties and Responsibilities

- Inspects, repairs and maintains electrical systems and equipment.
- Installs, repairs and maintains control wiring on pumps, valves, fans, motor starters, main switchgears and related equipment.
- Performs maintenance and repair duties on specialized lighting and power systems including remote controls, distribution panels, direct current generators, switchboards and other related electrical equipment.
- Performs electrical work on such items as remote controls of intake sluice gate motors; installs control switches in control room bench board; installs stand-by station service transformers.
- Uses standard and special electrical tools and equipment such voltmeters, ammeters, power-factor meters, synchrosopes and frequency meters.
- Assist Electronic Technicians as necessary.
- Performs related duties as required.

- Technical Skills**
- Must demonstrate thorough knowledge of approved methods and practices in installing, maintaining and repairing various electric lighting and wiring systems, switchboards, motors and power generators, control equipment and other common electric appliances and equipment.
 - Must demonstrate thorough knowledge of electrical code requirements and approved safety standards as they relate to electric wiring and equipment.
 - Must demonstrate considerable knowledge of occupational hazards surrounding the work of electricians and of necessary precautionary measures; ability to work from electrical diagrams and blueprints.
 - Provide lead technical assistance and planning to a crew of semi skilled and skilled workers.
 - Must demonstrate ability to perform addition, subtraction, multiplication and division of whole numbers and fractions, calculate percentages and convert units of measure.
 - The level of technical skill required would be similar to those of Journeyman.

Education and Experience

High school graduation and three (3) years progressively responsible experience performing routine and moderately complex electrical maintenance and repair work.

OR

An equivalent combination of education and experience.

- Certificates/
Licenses/Special Requirements**
- Must possess a valid State -issued driver’s license in accordance with the City of KCMO policies.
 - May be required to possess a valid CDL (Commercial Driver’s License) Class A, B or C issued by the State of Missouri prior to the end of the employee’s probationary period (appropriate CDL will be determined by the department).
 - Must pass a physical examination as prescribed by the City.
 - Will be required to pass a preemployment drug screen.
 - Must pass a background check as prescribed by the City.

Supervisory Responsibility

None

Supervision Received

Work is performed under general supervision.

Note: This job description should not be construed to imply that these requirements are the exclusive standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as may be required. Reasonable accommodation will be provided to qualified individuals with disabilities. The City of Kansas City has the right to revise this job description at any time. The job description is not to be construed as a contract for employment.

Created

9/06

Revised

05/10, 02/12, 8/2022 , 01/2024